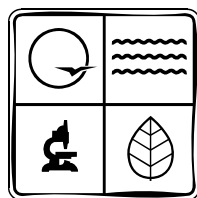


Missouri

State Fleet Efficiency and Alternative Fuel Program

Annual Report
Fiscal Year 2005



Missouri Department of Natural Resources
Energy Center

DNR/EC-0406

PUB001195



This publication was prepared with the support of funds from the Oil Overcharge Settlement and State Energy Program through the U.S. Department of Energy (U.S. DOE) and the Missouri Department of Natural Resources' Energy Center.

**Missouri
State Fleet Efficiency
and
Alternative Fuels Program
Fiscal Year 2005**

The Fuel Conservation for State Vehicles statute, Sections 414.400 - 414.417 RSMo, and the federal Energy Policy Act establish opportunities for Missouri state agencies to manage transportation fuel consumption and promote the use of clean domestic alternative fuels.

All state agencies are obligated to report their progress annually to the Missouri Department of Natural Resources' Energy Center for the development of this annual report.

We are pleased to submit for your consideration this report on state fleet efficiency and alternative fuels use.

Sincerely,

ENERGY CENTER

Anita C. Randolph
Director

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Executive Summary

Missouri's General Assembly passed Sections 414.400 - 414.417, RSMo, in 1991 to set standards for economically and environmentally responsible state fleet management. The Missouri statute seeks to increase the average fuel efficiency of the state fleet and increase the use of cleaner alternative transportation fuels in state vehicles. Missouri statutes, Section 414.406, require that the annual state fleet report include annual fuel consumption, number of vehicles, vehicle miles traveled, average fleet fuel economy, estimated cost savings and the state's use of alternative fuels. A copy of the Missouri statute can be found in Appendix A, and state fleet data submitted to the Department of Natural Resources by the reporting agencies can be found in Appendix B. This report covers fiscal year 2005.

Missouri state agencies comply annually with statutory reporting requirements by providing the Missouri Department of Natural Resources' Energy Center with vehicle operating data on their respective fleets. Along with many other breakouts, agencies provide vehicle operating data on the number of state-owned vehicles operated throughout the reporting period. Of the operated vehicles, agencies reported that 3,751 vehicles were eligible to meet the vehicle fuel efficiency and alternative fuel requirements as described in state statutes, and another 8,660 vehicles were reported as exempt from meeting those requirements. (Missouri statute allows for the exemption of vehicles based on vehicle type and use.) Altogether, state agencies operated a total of 12,411 vehicles. While operating the 3,751 vehicles eligible to meet the statutory requirements, agencies reported logging a total of 39,474,606 miles. As a refueling requirement to travel this many miles, agencies also reported using 1,897,710 gallons of gasoline; 16,781 gallons of diesel fuel; 124,752 gallons of 85 percent ethanol (E-85); 7,013 gallons of propane and 68,194 cubic feet of compressed natural gas.

State agencies also reported refueling state vehicles with biodiesel. Although biodiesel is normally used to refuel vehicles designated as exempt under the statute, biodiesel blended at levels of 20 percent or greater is defined by the U.S. Department of Energy as an alternative fuel. For reporting purposes, biodiesel used at the 20 percent or greater blend levels are sometimes combined, converted and shown throughout this report at the 100 percent blend level. When converted to the 100 percent blend level, state diesel vehicles were refueled with 618,690 gallons of biodiesel throughout the reporting period. This amounts to 3,093,450 gallons of biodiesel blended at the 20 percent level.

Vehicle fuel efficiency standards described in Section 414.400, RSMo, require that agency fleets purchase new vehicles that meet or exceed standards set by the U.S. Environmental Protection Agency (EPA). Therefore, new vehicles purchased by state agencies are to meet or exceed the corporate average fuel efficiency (CAFE) standards of 27.5 miles per gallon (mpg) for passenger cars and 20.7 mpg for light-duty trucks. During the 2005 fiscal year, the overall average fuel efficiency of new vehicle acquisitions reported by agency fleets was 32.0 mpg for passenger cars and 26.6 mpg for light-duty trucks. The CAFE numeric system awards additional credit to alternative fuel vehicles. This boost can significantly increase the CAFE rating of alternative fuel vehicles and accounts for the high overall efficiencies of new vehicle acquisitions.

Alternative fuel standards described in Section 414.410, RSMo, require that agency fleets

purchase new vehicles that are capable of being refueled with an alternative fuel. During the biennial period of fiscal years 2005 and 2006, 50 percent of all new vehicle acquisitions by agency fleets are to be vehicles capable of being refueled with an alternative fuel. Of the 34 reporting state entities, 9 entities met or exceeded the standard. Another 7 entities did not meet the standard, and 18 entities weren't required to comply because they either did not purchase any new vehicles or they operated 15 or fewer eligible vehicles. Section 414.400, RSMo, also requires that at least 30 percent of all fuel used in eligible, state-owned alternative fuel vehicles (AFVs) be the designated alternative fuel. During the 2005 fiscal year, 16 percent of all fuel used in eligible, state-owned AFVs was the designated alternative fuel. However, the statute provides for state agencies to take credit towards meeting their 30 percent goal by reporting the alternative fuel used in exempt vehicles. When the biodiesel used to refuel exempt diesel vehicles is included in the calculation, the percent of alternative fuels actually used in AFVs rises from 16 percent to well above the 30 percent use requirement.

The Department of Natural Resources' Energy Center staff has worked throughout the reporting period to promote the continued and increased use of alternative fuels and has provided technical and programmatic assistance to state agencies. The Energy Center along with the National Ethanol Vehicle Coalition (NEVC) and the Missouri Soybean Association hosted alternative fuel displays at state agency locations in Jefferson City to encourage state employees to use alternative fuels. In addition, the Energy Center has designed alternative fuel signs for state agencies to place at their respective fleet lots. These signs remind state employees to refuel with the appropriate alternative fuel in AFVs whenever possible. E-85 magnets, static window stickers and fuel door stickers are available from the Energy Center. Colored labels for vehicle packets are also available from the Energy Center to identify AFVs and provide local directions to refueling facilities.

Introduction

Missouri's General Assembly passed Sections 414.400 - 414.417, RSMo, in 1991 to set standards for economically and environmentally responsible state fleet management. The Missouri statute seeks to increase the average fuel efficiency of the state fleet and increase the use of cleaner alternative transportation fuels in state vehicles. Chapter 414 of the Missouri Revised Statutes can be found in Appendix A of this report.

All state agencies are required to comply with the statute and are subject to one or both of the fleet efficiency and alternative fuel requirements. The statute covers light-duty vehicles, defined as those under 8,500 pounds gross vehicle weight rating (GVWR). The Department of Natural Resources is required to prepare an annual report on the Fuel Conservation for State Vehicles Program. The department has statutory authority to waive alternative fuel vehicle target acquisitions and the required percentage of alternative fuel use for good cause. The Office of Administration is required to ensure compliance with purchasing guidelines of alternative fuel vehicles and efficiency standards of conventional fuel vehicles.

State legislation offers opportunities for state agencies to stretch operating budgets through greater fleet efficiency and to demonstrate technologies that reduce fuel consumption, manage travel efficiently and use cleaner alternative fuels. It also offers opportunities for interagency communication and cooperation.

Based on statutory requirements¹, the following are the Fuel Conservation for State Vehicles objectives:

1. *To achieve an efficient vehicle fleet.* Legislation effective January 1, 1999, requires state agencies to meet minimum guidelines for efficient vehicle fleet management as established by the Department of Natural Resources.
2. *To realize environmental and economic benefits of using alternative transportation fuels.* State government is to operate vehicles on alternative fuels such as 85 percent ethanol (E-85), propane, compressed natural gas (CNG) or others if the fuels are within the incremental life-cycle cost caps designated in the statute. Legislation effective January 1, 1999, establishes the maximum incremental life-cycle cost difference at 10 percent, except for vehicles to be used in clean air maintenance and nonattainment areas of Kansas City and St. Louis, where the allowable incremental cost difference is 17 percent.
3. *To increase the number of alternative fuel vehicles in state fleets.* Legislation effective

¹All agencies of Missouri state government are subject to the provisions of the program, with the exception of the departments of Transportation and Conservation, which may develop fleet management plans independently. Certain off-road vehicles, special use vehicles, law enforcement vehicles and vehicles for which no published EPA CAFE standard exists are exempt from the provisions.

January 1, 1999, requires any state agency operating a fleet of more than 15 motor vehicles to acquire vehicles capable of using alternative fuels as follows²:

- At least 10 percent of the agency's fleet vehicles acquired between July 1, 1994, and July 1, 1996;
- At least 30 percent of the agency's fleet vehicles acquired between July 1, 1996, and July 1, 1998; and
- At least 50 percent of the agency's fleet vehicles acquired between July 1, 1998, and July 1, 2000, and each biennial period thereafter.

After July 1, 2001, at least 30 percent of the fuel used in state-owned AFVs must be an alternative fuel.

Compliance with these requirements by individual agencies and in the aggregate is documented in annual reports submitted by the agencies to the Department of Natural Resources' Energy Center following the end of the fiscal year. Summary tables showing the fleet operating data submitted by the individual agencies and in the aggregate can be found in Appendix B. The 2005 fiscal year ran from July 1, 2004, through June 30, 2005.

²The requirement may be waived for any state agency upon receipt of certification supported by acceptable evidence that:

- The agency's vehicles will be operating primarily in an area in which neither the agency nor a supplier has, or can reasonably be expected to have, a central refueling station for alternative fuels;
- The agency is unable to acquire or operate vehicles within the 10 and 17 percent cost limitations using life-cycle cost methods; or
- The use of alternative fuels would not meet the energy conservation and exhaust emissions reduction criteria.

Annual Fuel Consumption, Number of Vehicles and Vehicle Miles Traveled

Missouri Revised Statutes, section 414.406, require that the Missouri Department of Natural Resources prepares an annual state fleet report that documents annual fuel consumption, number of vehicles and vehicle miles traveled. Before covering the state fleet numbers, some necessary terms used throughout the report are briefly summarized from the description given in the statutes.

Many of the vehicles operated by state agencies are designated for duties that exempt the vehicles from vehicle fuel efficiency and alternative fuel requirements. These duties include off-road, maintenance, construction, trailer transport, law enforcement and emergency vehicles. Exempt vehicles also include vehicles that exceed the 8,500 gross vehicle weight rating (GVWR).

Eligible vehicles are those vehicles operated by state agency fleets that are required to meet state-mandated vehicle fuel efficiency and alternative fuel requirements. Most eligible vehicles are primarily used for commuting from one location to another on established roadways. The terms *eligible* and *non-exempt* are used interchangeably throughout this report.

When identified throughout the report, gasoline gallon equivalence (gge) is used as a unit of measure for alternative fuels. As a unit of measure, gasoline gallon equivalence is based on the fuel's energy content rather than the at-the-pump unit of measure normally shown in unit volume. An example of this is the comparison of a gallon of 85 percent ethanol (E-85) to a gallon of gasoline. Since the energy content of E-85 is less than that of gasoline, one gallon of E-85 is equivalent to 0.7130 gallon of gasoline. As applied throughout this report, check Appendix C for more information on the conversion of alternative fuels from at-the-pump units of consumption to gge.

As reported by the state agencies, shown in Table 1 are the annual fuel consumption numbers for state-owned vehicles operated during fiscal year 2005. Gasoline, diesel and alternative fuel consumption are compared for non-exempt, exempt and all vehicles operated throughout the reporting period. At the B100 blend level, biodiesel consumption is included on the table as the majority of the alternative fuel used in exempt vehicles.

**Table 1. Fuel Consumption
Fiscal Year 2005**

Fuel Type	Non-Exempt Vehicles	Exempt Vehicles	All State Vehicles
Gasoline (gallons)	1,897,710	5,316,899	7,214,609
Diesel (gallons)	16,781	4,051,173	4,067,954
Alternative Fuel (gge)	95,147	670,344	765,491

Following the end of the fiscal year, both annual fuel consumption and annual fuel cost numbers are provided by state agencies to the Missouri Department of Natural Resources. Shown in Table 2 are the annual fuel cost numbers that directly correspond to the fuel consumption numbers shown in Table 1. At the B100 blend level, the total cost of biodiesel consumption is included on the table as the majority of the alternative fuel cost shown for exempt vehicles.

Table 2. Fuel Cost
Fiscal Year 2005

Fuel Type	Non-Exempt Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	\$3,381,156	\$9,068,454	\$12,449,610
Diesel	\$33,667	\$6,793,325	\$6,826,992
Alternative Fuel	\$228,453	\$1,143,940	\$1,372,393
Total	\$3,643,276	\$17,005,719	\$20,648,995

To provide a measure of the overall operational fleet size, Table 3 shows the number of state-owned vehicles operated by state agencies throughout fiscal year 2005. Since the agencies were asked to submit information on all vehicles operated throughout the reporting period, the numbers shown in Table 3 include all vehicles acquired, all vehicles in continuous service and all vehicles retired from state service throughout the period. Diesel vehicles cannot be classified as alternative fuel vehicles. Therefore, in Table 3, diesel vehicles are shown in the Diesel Exempt entry, even if they were fueled by biodiesel.

Table 3. Number of Vehicles Operated
Fiscal Year 2005

Vehicle Type	Non-Exempt Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	2,740	5,770	8,510
Diesel	24	2,707	2,731
Alternative Fuel	987	183	1,170
Total	3,751	8,660	12,411

During fiscal year 2005, the vehicle miles traveled in non-exempt state vehicles were 25,327,052 miles in gasoline vehicles, 242,447 miles in diesel vehicles and 13,905,107 miles in alternative fuel vehicles. Agencies are not required to submit the vehicle miles traveled in state vehicles that are exempt from fuel efficiency and alternative fuel requirements.

Annual maintenance cost data is an important part of the formula required to find the total operating cost for state-owned vehicles. Shown in Table 4 are the annual maintenance costs incurred for the repair and upkeep of state-owned vehicles operated throughout fiscal year 2005.

Diesel vehicles cannot be classified as alternative fuel vehicles. Therefore, in Table 4, diesel vehicles are shown in the Diesel Exempt entry, even if they were fueled by biodiesel.

**Table 4. Maintenance Cost
Fiscal Year 2005**

Vehicle Type	Non-Exempt Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	\$1,299,075	\$3,753,941	\$5,053,016
Diesel	\$18,219	\$5,711,851	\$5,730,070
Alternative Fuel	\$490,721	\$61,287	\$552,008
Total	\$1,808,015	\$9,527,079	\$11,335,094

Caution should be exercised when interpreting the reported maintenance cost numbers shown throughout this report since the method used for collecting and reporting maintenance cost could be different from one agency to the next. For example, most agencies enter into vehicle repair and upkeep contracts with outside organizations while other agencies employ vehicle maintenance staff who are responsible for the repair and upkeep of agency vehicles.

Average Fleet Fuel Economy

Although a procedural process for the computation of average fleet fuel economy is not described in Missouri law, the statutes do require that each agency's overall vehicle fleet fuel efficiency for non-exempt state vehicles meet or exceed the standards set by the federal government.

On the federal side, the U.S. Environmental Protection Agency, with assistance from the U.S. Department of Transportation, has developed a rating system for measuring vehicle fuel efficiency. The rating system is called corporate average fuel economy (CAFE). CAFE is a comprehensive fuel efficiency rating system that was developed to measure the vehicle fuel efficiency of vehicles sold in the United States. Since CAFE is an average, a company can sell vehicles that fall below the CAFE standards as long as the company's overall averages stay within the standards.

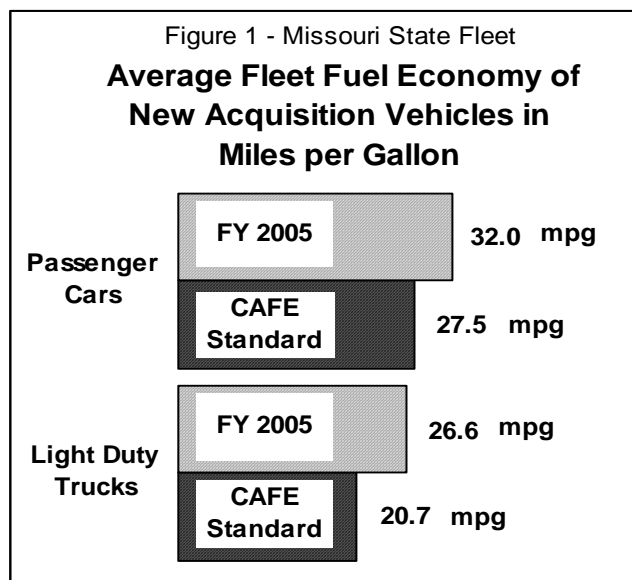
The CAFE standards are 27.5 mpg for passenger cars and 20.7 mpg for light-duty trucks. Station wagons are included under the passenger car category while light-duty trucks include pickups, sport utility vehicles (SUVs) and vans.

On the state side, the Missouri Department of Natural Resources' Energy Center has developed a set of procedures for computing the average fleet fuel economy using the CAFE system of measuring vehicle fuel efficiency. Only new vehicle acquisitions are included in the computation of the average fleet fuel economy. By including only new vehicle acquisitions, procedural emphasis is placed on the purchase of vehicles that meet or exceed the federal CAFE standards.

How did Missouri state agencies do during the 2005 fiscal year? As shown in Figure 1, state agencies exceeded the federal standard by purchasing 69 new passenger cars with an average CAFE rating of 32.0 mpg. Agencies also exceeded the federal standard with new acquisitions of light-duty trucks. Agencies purchased 212 new light-duty trucks that earned an overall CAFE rating of 26.6 mpg. Although other vehicles may have been purchased throughout the reporting period, only those vehicles not exempt from state vehicle fuel efficiency requirements were included in the averages.

If a popular state vehicle, such as the 2001

Ford Taurus has a CAFE rating of 26.2 mpg, how can the overall CAFE rating shown for new acquisition passenger cars be 32.0 mpg? The CAFE numeric system awards additional credit to alternative fuel vehicles. This boost can significantly increase the CAFE rating of alternative fuel vehicles. Some examples include: the 2003 E-85 Dodge Stratus, awarded a

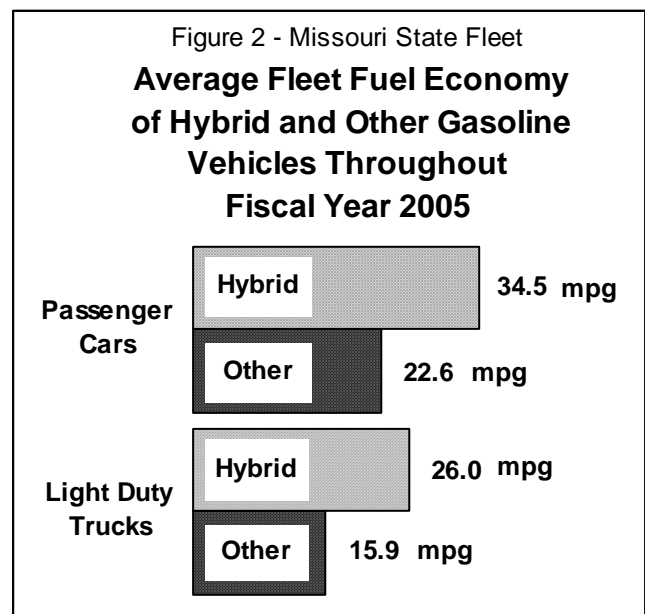


CAFE rating of 35.78 mpg, and the 2003 E-85 Ford Ranger pickup, awarded a CAFE rating of 28.75 mpg.

Of the nine agencies that purchased new non-exempt passenger cars, all purchases met the CAFE standard. Of the 14 agencies that purchased new non-exempt light-duty trucks, all agencies except one made purchases that met the CAFE standard.

In past years, some of the reasons given by agencies for below-standard performance include official state jobs that required heavy-duty vehicles and the cost-benefit consideration of vehicle resale value. For additional information, the CAFE ratings earned by each agency and the total ratings earned by the entire state fleet are shown in the fuel-economy tables in Appendix D.

Shifting from manufacturer-rated performance to actual on-road performance, some agencies are reacting to higher fuel prices by driving super fuel-efficient hybrid vehicles. At the agency level, the Department of Transportation operated 21 hybrid vehicles that achieved an average on-road passenger car fuel efficiency of 34.2 during fiscal year 2005. The Department of Natural Resources operated 15 hybrid vehicles that achieved an average on-road passenger car fuel economy of 35 mpg. Overall, as shown in Figure 2, state hybrid passenger cars achieved an average of 11.9 mpg greater than that of other gasoline-powered passenger cars operated by the state fleet. In the light-duty truck category, state hybrid vehicles achieved an average of 10.1 mpg greater than the state's other gasoline-powered light-duty trucks.



Hybrid electric vehicles (HEVs) are primarily propelled by an internal combustion engine, just like conventional vehicles. However, they also convert energy normally wasted during coasting and braking into electricity, which is stored in a battery until needed by the electric motor. The electric motor is used to assist the engine when accelerating or hill climbing and in low-speed driving conditions where internal combustion engines are least efficient. Unlike all electric vehicles, HEVs now being offered do not need to be plugged into an external source of electricity to be recharged; conventional gasoline and regenerative braking provide all the energy the vehicle needs. (Source: Fuel Economy Guide, US Department of Energy & US Environmental Protection Agency)

Alternative Fuel Use and Alternative Fuel Vehicle Acquisitions

As defined by RSMo, Section 414.400, alternative fuels are those motor vehicle fuels that are substantially not unleaded gasoline or diesel, thereby contributing to potential energy security and environmental benefits. The Department of Natural Resources prepares and distributes this annual state fleet report to document progress in achieving the requirements and goals of sections 414.400 to 414.417, which includes, along with other vehicle information, the state fleet's use of alternative fuels.

Both an alternative fuel and a renewable fuel, ethanol 85 (E-85), is produced from 85 percent ethanol blended with 15 percent unleaded gasoline. As shown in Figure 3, during the 2005 fiscal year, state-owned E-85 vehicles were refueled with 126,370 gallons of E-85. Because of limited availability and other refueling issues, state-owned E-85 vehicles specially equipped to run on both E-85 and gasoline were also refueled with 528,930 gallons of unleaded gasoline.

Biodiesel, another alternative fuel with renewable fuel content, is pumped into the onboard fuel tanks of state-owned diesel vehicles. Although biodiesel is used to refuel state vehicles that are generally exempt under the statute, biodiesel blended at levels of 20 percent or greater is defined by the U.S. Department of Energy as both an alternative and renewable fuel. For federal reporting purposes, the gallons of biodiesel used at the 20 percent or greater blend levels are combined, converted and shown in some parts of this report at the 100 percent blend level. When converted to the 100 percent blend level, state diesel vehicles were refueled with 618,690 gallons of biodiesel during the 2005 fiscal year reporting period. As shown in Figure 4, this amounts to 3,093,450 gallons of biodiesel blended at the 20 percent level.

Besides the alternative fuels that are processed from renewable sources, another group of alternative fuels work to reduce tailpipe emissions. This group of alternative fuels includes propane, compressed natural gas and electricity. During the reporting period, state

Figure 3 - Missouri State Fleet
**Gallons of Ethanol 85 Used in
Ethanol 85 Vehicles**

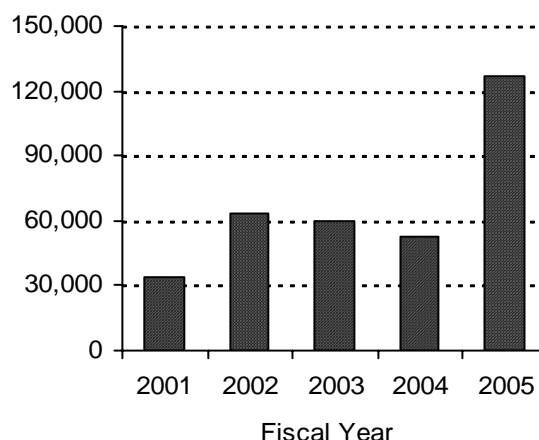
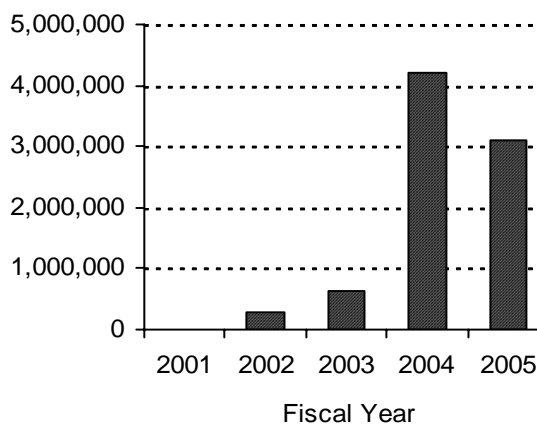


Figure 4 - Missouri State Fleet
**Gallons of Biodiesel (B20)
Used in Diesel Vehicles**



vehicles were refueled with 8,542 gallons of propane; 68,194 cubic feet of compressed natural gas and 0 kwh of electricity. To explain the usage disparity between fuels, propane is offered at many retail outlets throughout the state while compressed natural gas is currently offered at only one public refueling site, and no electric vehicles were operated throughout the reporting period.

Another important topic when reporting alternative fuel use is the percent of alternative fuel actually put into the onboard fuel tanks of state-owned vehicles. Since many AFVs can be refueled with either the designated alternative fuel or regular unleaded gasoline, state statutes specify that 30 percent of all fuel used in state-owned AFVs should be the designated alternative fuel. As shown in Figure 5, the percent of alternative fuel used in state operated non-exempt alternative fuel vehicles was 16 percent throughout fiscal year 2005. The statute, however, provides for state agencies to take credit towards meeting their 30 percent

purchasing goal by reporting the alternative fuel used in exempt vehicles. When the biodiesel used to refuel diesel vehicles is included in the calculation, the percent of alternative fuels actually used in AFVs rises from 16 percent to well above the 30 percent purchasing requirement.

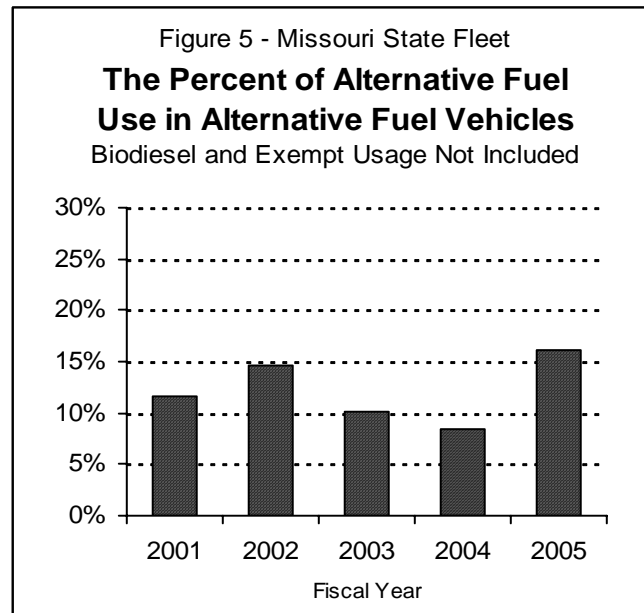


Table 5. The Percent of Alternative Fuel Use in Alternative Fuel Vehicles
Fiscal Year 2005

Vehicle Type	Number of Vehicles	Gasoline in Gallons	Alternative Fuel in GGE	% Alternative Fuel Use
E85	930	461,202	88,948	16%
Propane	46	28,630	5,427	16%
CNG	11	2,918	593	17%
Electric	0	0	0	0%
Total	987	492,750	94,968	16%

* Table 5 is comprised of only the alternative fuels and alternative fuel vehicles used to compile the percent of alternative fuel use shown in Figure 5. All biodiesel and alternative fuel used in exempt alternative fuel vehicles are not included in Table 5.

To break this out by alternative fuel types, the different percent uses of alternative fuel used in

state alternative fuel vehicles were 16 percent E-85 in flexible fuel E-85 vehicles, 17 percent compressed natural gas (CNG) in dual-fuel CNG vehicles and 16 percent propane in dual-fuel propane vehicles. None of these percent breakouts include biodiesel or *other* exempt vehicle usage. See Table 5 for the corresponding consumption numbers shown in gallons for gasoline and in gasoline gallons equivalence for the alternative fuels.

Missouri statutes also describe acquisition requirements for AFVs. During the 2005 - 2006 statutory period, at least 50 percent of all new vehicles acquired by state agencies are required to be vehicles capable of using alternative fuels. Of the 34 reporting state entities, nine entities met or exceeded the statutory requirement. Another seven entities did not meet the statutory requirement, and 18 entities were not required to meet the statutory requirement because they either did not purchase any new vehicles or they operated 15 or fewer eligible vehicles. The actual breakouts for each state entity, the acquisitions of alternative fuel vehicles and the percent of alternative fuel use are shown in Appendix D.

As shown in Table 6, state agencies have alternative fuel vehicles stationed in locations throughout Missouri. Whether alternative fuel vehicles can be refueled with the designated alternative fuel is almost entirely dependent on where the vehicles are located. State employees are best able to refuel the vehicles with the designated alternative fuel if doing so is convenient. Vehicle location is also important since the EPA has set air quality requirements for both Kansas City and St. Louis.

**Table 6. Number of Alternative Fuel Vehicles
Stationed at Fleet Locations Throughout Missouri**

	FY'01	FY'02	FY'03	FY'04	FY'05
Jefferson City	330	352	423	459	454
Kansas City	42	62	80	85	110
St. Louis	89	76	74	73	88
Other	355	309	401	426	518
Total	816	799	978	1043	1170

Because it is the state capital, Jefferson City is the hub of state government activities. Many agencies locate at least some, if not all of their vehicles, in the Jefferson City area. There are E-85, propane and biodiesel refueling sites located in the Jefferson City area.

To compare the operating cost of alternative fuel vehicles to traditional fuel vehicles, operating cost data submitted by the agencies to the Missouri Energy Center can be converted into an average operating cost per mile. As shown in Table 7, vehicle operating costs are broken out by maintenance, fuel and the overall costs.

Table 7. Average Vehicle Operating Cost in Cents per Mile
Fiscal Year 2005

Vehicle Type	Maintenance	Fuel	Total
Hybrid (trucks)	1.1	7.4	8.5
E85 (autos & station wagons)	3.4	7.3	10.8
Gasoline (autos & station wagons)	4.2	7.6	11.8
Hybrid (autos)	7.6	4.4	12.0
E85 (trucks & vans)	3.4	10.2	13.6
CNG (autos & station wagons)	8.2	6.7	14.9
Propane (autos & station wagons)	7.9	7.3	15.2
Gasoline (trucks & vans)	5.7	11.4	17.1
Propane (trucks & vans)	5.4	12.1	17.5
CNG (trucks & vans)	8.1	10.3	18.3
Diesel (trucks & vans)	7.5	14.0	21.5

Program Status

The Missouri Revised Statutes, Sections 414.410 - 414.417, establish guidelines for the current vehicle fuel efficiency and alternative fuel vehicles program. The established program includes the writing and distribution of an annual state fleet report, vehicle fuel efficiency standards for new vehicle acquisitions, requirements for alternative fuel use in alternative fuel vehicles and purchasing requirements for the acquisition of alternative fuel vehicles.

Participating state agencies submitted annual operating data on agency vehicle operations and acquisitions made during fiscal year 2005. In recent years, most vehicle purchases have met CAFE standards, and the actual average fuel efficiency for cars and light trucks is expected to significantly increase in the coming years. Compliance with the purchasing requirements is administered by the Office of Administration, Department of Transportation, Department of Conservation and higher education institutions.

The numbers and types of alternative fuel vehicles currently available to state agencies and the public from manufacturers are steadily increasing. All major U.S. vehicle manufacturers are producing alternative fuel vehicles. The number of available alternative fuel stations also is increasing.

E-85 Refueling Locations

- ◆ Ballwin: Claymont Auto Services, 15401 Clayton Road
- ◆ Charleston: Petro Card 24, Beasley Park Road
- ◆ Columbia: Break Time, 200 North Providence
- ◆ Columbia: Petro Card 24, 1300 Wilkes Boulevard and College Avenue
- ◆ Columbia: Tiger Mart, 904 I-70 Drive S.W.
- ◆ Dearborn: Conoco, 17605 Highway 2
- ◆ Edina: Northeast MO Cooperative, Highway 6 and 15
- ◆ Higginsville: MFA Oil Break Time, 2600 Highway Boulevard
- ◆ Jefferson City: Conoco Convenient Mart, 701 Eastland Drive
- ◆ Jefferson City: Conoco Convenient Mart, 3714 West Truman Boulevard
- ◆ Kansas City: Presto Conoco – Store #29, 649 East Bannister Road
- ◆ Kearney: Platte-Clay Electric Cooperative, 1000 West 92 Highway
- ◆ Macon: Petro-Card 24, 1805 North Missouri
- ◆ Malta Bend: MFA Oil Petro-Card, 310 West State Street
- ◆ Marshall: Break Time Convenience Store, 1000 West College Street
- ◆ Marshall: Thomas Oil Co., 430 North Lincoln
- ◆ Maryville: MFA Oil Company Petro-Card 24, 1515 East First Street
- ◆ Maryville: Cenex, 1st & Depot Street
- ◆ Moberly: Petro Card 24, Highway 24 E
- ◆ Rockport: Missouri Valley Ag, 17800 U.S. Highway 136
- ◆ Rolla: Mobil on the Run, 1710 North Bishop
- ◆ Smithville: Cenex Ampride, 1102 South Hwy 169
- ◆ St. Charles: Mobil on the Run, 1401 5th Street
- ◆ St. Joseph: Break Time Convenience Store, 402 North Woodbine

B20 (20 percent biodiesel) Public Pumps

- ◆ Jefferson City: 3714 West Truman Boulevard
- ◆ Kansas City: 201 West 6th Street
- ◆ Marshall: 430 North Lincoln

Numerous propane refueling sites are located throughout Missouri. The Missouri Propane Gas Association in Jefferson City publishes a directory of propane refueling locations.

The Department of Natural Resources' Energy Center and industry representatives are working to encourage further use of alternative fuels in the appropriate AFVs. Colored labels for vehicle packets are available from the Energy Center to identify AFVs and provide local directions to refueling facilities. The E-85 pumps at each gas station are more prominently labeled.

As part of an ongoing effort to increase alternative fuel usage among state employees, the Energy Center has actively promoted the use of alternative fuels in state vehicles.

The Energy Center along with the National Ethanol Vehicle Coalition (NEVC) and the Missouri Soybean Association hosted alternative fuel displays at state agency locations in Jefferson City to encourage state employees to use alternative fuels.

In addition, the Energy Center has designed alternative fuel signs for state agencies to place at their respective fleet lots. These signs remind state employees to refuel with the appropriate alternative fuel in AFVs whenever possible. E-85 magnets, static window stickers, and fuel door stickers are available from the Energy Center.

Program Barriers

- The limitations of public transportation, including scheduling and lack of local transportation in metropolitan areas, often inhibit this means for conducting state business as an effective way of reducing state fleet fuel consumption.
- In some cases, the Office of Administration does not receive any bids for certain vehicle classes that are CAFE compliant. If an agency feels a vehicle from a more fuel efficient class cannot meet its needs, the agency submits a waiver request to acquire less efficient vehicles. (EPA publishes the CAFE figures, which can be found at its internet site. The published CAFE figures should not be confused with those figures published in the Fuel Economy Guide or on the actual vehicle sticker.)
- The statutory limitations on the incremental cost differential may still prevent the procurement of some types of alternative fuel vehicles. For example, many CNG vehicles still exceed the allowable 17 percent incremental cost cap in the two metropolitan areas.
- Lack of adequate refueling infrastructure, especially for CNG and E-85, has slowed progress in the use of alternative fuels. Twenty four public E-85 stations are currently available for refueling. Convenience and driving distance to public stations remain barriers.

Program Recommendations

The following recommendations are based primarily on guidance provided within Missouri Revised Statute, Sections 414.400 – 414.417, and the annual reports submitted by the agencies to the Energy Center.

- Encourage employees to carpool and use mass transit.
- Expand the use of telecommunication systems to decentralize work and reduce the need for travel to meetings, conferences and other offices. Consider options such as e-mail, facsimile and teleconferencing to reduce the need for travel.
- Continue information and promotion. The Energy Center and other organizations continue to encourage the agencies to promote the use of alternative fuel as a replacement for traditional vehicle fuels and purchase alternative fuel vehicles.
- Train state employees in the operation of alternative fuel vehicles, tracking of alternative fuel use and refueling with alternative fuels to increase their comfort in using alternative fuels. Qualified staff at the Energy Center are available to provide alternative fuel issues training as requested by the agencies.
- Facilitate placement of alternative fuel vehicles at agency locations closest to refueling locations selling the alternative fuel used. One mechanism to assist in this process would be for agencies to create a map of their fleet locations with alternative fuel vehicles.
- Facilitate installation of additional alternative fuel refueling stations across the state.

Appendices

Appendix A

Federal and Missouri Alternative Fuel Acts: Comparison of Key Provisions

Clean Air Act	Energy Policy Act	Missouri Sections 414.400 - 417 RSMo, 1999
Applicability		
Twenty-two metropolitan areas with populations of 250,000 or more (1980 census) with either serious, severe or extreme ozone or carbon monoxide areas.	Metropolitan areas with a 1980 population of 250,000 or more.	All state-owned vehicles throughout the state.
Fleets Subject to Act		
Fleets of 10 or more vehicles that are centrally fueled or capable of being centrally fueled.	Fleets with at least 20 vehicles that are centrally fueled or capable of being centrally fueled in a metropolitan area; however, this requirement applies only if a fleet also has at least 50 vehicles within the United States.	State-owned fleets with more than 15 vehicles.
Exemptions		
<p>Vehicles that are garaged at a personal residence overnight are to be considered <u>not</u> capable of central fueling.</p> <p>Law enforcement vehicles.</p> <p>Emergency vehicles.</p>	<p>Private fleet vehicles that are garaged at home overnight are exempted.</p> <p>Law enforcement vehicles. The Secretary of Energy may terminate this exemption.</p> <p>Emergency vehicles.</p>	<p>Off-road vehicles, maintenance and construction vehicles and transport trailers.</p> <p>Law enforcement vehicles.</p> <p>Emergency vehicles.</p>
Fuels		
Any fuel that meets the emission standard may be used, including reformulated gasoline, clean diesel, ethanol, methanol, propane, electricity and natural gas.	Alternative fuels include methanol, ethanol, natural gas, propane, biodiesel and electricity. Reformulated gasoline is not considered to be an alternative fuel.	Alternative fuels include 85 percent methanol, 85 percent ethanol, natural gas, propane, 20 percent biodiesel, hydrogen and electricity. Reformulated gasoline is not considered to be an alternative fuel.

Clean Air Act	Energy Policy Act	Missouri Sections 414.400 - 417 RSMo, 1999
Weight Limits		
Includes automobiles and trucks up to 26,000 pounds gross vehicle weight.	Includes vehicles with a gross vehicle weight of less than or equal to 8,500 pounds.	For reporting purposes, state agencies are including only those eligible vehicles less than or equal to 8,500 pounds (GVWR).
Purchase Dates		
Beginning with model year 1998.	<p>Federal fleet – 1993; state fleets - model year 1996.</p> <p>Private and municipal fleets - model year 1999 or later (subject to ruling by the secretary of energy that a private/municipal fleet program is needed.)</p> <p>Fuel provider fleets – model year 1996.</p>	<p>Acquire vehicles capable of using alternative fuels:</p> <p>10 percent by July 1, 1996 30 percent by July 1, 1998 50 percent by July 1, 2000</p> <p>By July 1, 2002, 30 percent of fuel used in AFVs must be an alternative fuel.</p>
Vehicle And Fuel Availability		
There are no exemptions provided in the law in the event vehicles or fuel are not available.	The secretary of energy must exempt a fleet if vehicles or fuels are not available.	<p>The Missouri Department of Natural Resources' director may reduce any percentage specified or waive requirements upon receipt of certification supported by evidence to the director that:</p> <ol style="list-style-type: none"> 1) Fuels are not available; 2) Fuels do not meet cost limitations; or 3) Fuels do not meet energy conservation or emissions criteria.

Missouri Revised Statutes
Chapter 414
Fuel Regulation and Conservation
Section 414.400

August 28, 1999

Definitions--program for state fuel consumption reduction, fleet management and promotion of alternative fuels, University of Missouri, included duties--exceptions for certain vehicles.

414.400. 1. As used in sections 414.400 to 414.417, the following terms mean:

- (1) "Alternative fuel," any fuel, including any alcohol fuel containing eighty-five percent or more by volume of such alcohol or other such percentage not less than seventy percent if determined by the United States Department of Energy by rule to be necessary to provide for the requirements of cold start, safety, or vehicle functions, natural gas, liquefied petroleum gas, any fuel other than alcohol derived from biological materials when designated by the United States Department of Energy as an alternative fuel, and hydrogen, or any power source, including electricity, and any other fuel that the United States Department of Energy determines by final rule is substantially not petroleum and would yield substantial energy security and environmental benefits, used in a vehicle that complies with the standards and requirements applicable to such vehicle pursuant to sections 414.400 to 414.417 when using such fuel or power source;
- (2) "CAFE standard," the federal Corporate Average Fuel Economy standard, 15 U.S.C. 2002 or 40 CFR Parts 86 and 600 or 49 CFR Part 538 or proposed rule 49 CFR Part 538 until such rule is finalized;
- (3) "Department", the department of natural resources;
- (4) "Director", the director of the department of natural resources;
- (5) "State agency", the same meaning as such term is defined in section 536.010, RSMo;
- (6) "Vehicle fleet", any fleet comprised of vehicles with a manufacturer's gross vehicle weight rating of not more than eight thousand five hundred pounds registered for operation on the highways of this state pursuant to chapter 301, RSMo.

2. The department in consultation with the commissioner of administration shall develop and implement a program to manage and progressively reduce state agency vehicle fleet fuel consumption and promote the use of alternative fuels. The program shall require state agencies to meet minimum guidelines for efficient fleet management. Such guidelines shall be updated and revised every two years and shall require the overall vehicle fleet fuel efficiency for each agency to meet or exceed the fuel efficiency that would be achieved if each vehicle in the agency's fleet met the CAFE standard. The department may promulgate rules necessary to implement such guidelines. Further, provided that suppliers or state agencies have or can reasonably be expected to have established alternative fuel refueling stations as needed, the program shall require that at least thirty percent of all motor fuel purchased annually for use in alternative fuel vehicles, calculated in gasoline gallon equivalents, to be alternative fuel by July 1, 2001. Any alternative fuel purchased by a state agency for use in vehicles not included in their vehicle fleet as defined in subsection 1 of this section, calculated in gasoline gallon equivalents, may be credited toward the annual alternative fuel purchase goal. The program

shall systematically replace existing state-owned vehicles and vehicles paid for with any state money, including vehicles purchased by the university system, with vehicles manufactured, assembled or produced in the United States, as required by sections 34.350 to 34.359, RSMo.

3. The commissioner of administration shall identify specific vehicle models within each vehicle procurement class that meet or exceed the CAFE standard. State agencies shall identify specific vehicle models within each vehicle procurement class that have a life cycle cost which is less than or equal to the average life cycle cost of those vehicles in the class which are manufactured, assembled or produced in the United States. Life cycle costs shall include but are not limited to the original cost of the vehicle, conversion cost if applicable, costs associated with vehicle emissions to the extent that such statistics are available, and projected cost of operation, including fuel cost and maintenance and salvage value to the extent that reliable maintenance and salvage value statistics are available. Unless a state agency submits to the department a fleet efficiency plan that complies with the minimum guidelines for energy efficiency established pursuant to subsection 2 of this section, or unless otherwise approved by the office of administration pursuant to subsection 4 of this section, all purchases of vehicles for state agency vehicle fleets shall meet the above standards.

4. The commissioner of administration may waive the CAFE standard requirements of subsection 3 of this section, for only those vehicles which satisfy one or more of the following conditions, for any state agency upon receipt of documentation that has been certified by the director of the state agency as satisfying one or more of the following conditions:

- (1) Such vehicles are used primarily in off-road, construction, or road maintenance applications;
- (2) Such vehicles are regularly used in the movement of maintenance or construction equipment;
- (3) Such vehicles are trucks or utility vehicles as defined by the office of administration that are regularly used to transport trailers for the purpose of moving state equipment; or
- (4) Such vehicles are vehicles with manufacturer-stated seating capacity exceeding that for six persons and the director of the agency has certified that the vehicle will be used to transport its rated capacity in persons and/or cargo. Agencies which are granted such waivers shall comply with the planning requirements of section 414.403.

5. The purchase of all class III vehicles, as defined by the office of administration, shall be approved through the appropriations process for all departments except the highway patrol. The provisions of this subsection shall not apply to the purchase of used vehicles from the highway patrol.

(L. 1991 H.B. 45 § 1, A.L. 1998 S.B. 619)

Effective 1-1-99

Chapter 414
Fuel Regulation and Conservation
Section 414.403

August 28, 1996

Vehicle fleet energy conservation plan to be developed by each state agency, purpose of plan, content--plan to be submitted to department of natural resources, when.

414.403. 1. Each state agency, with assistance from the department of natural resources, shall develop and implement a vehicle fleet energy conservation plan for the purposes of reducing vehicle fuel consumption. Plans shall be submitted to the director of the department of natural resources by January 1, 1993. Such plans shall include:

- (1) A timetable by which fleet vehicles shall be replaced with vehicles which exceed the average fuel economy for their vehicle class as outlined in section 414.400;
- (2) Options for the use of demonstrated innovative technologies that promote energy conservation and reduced fuel consumption;
- (3) Methods that promote efficient trip planning and state vehicle use; and
- (4) Car-pooling and van pooling for agency employees for commuting and job-related travel.

2. The department of conservation and the department of highways and transportation may develop their own vehicle fleet energy conservation plan. Such plans shall meet the objectives of sections 414.400 to 414.417 and shall comply with the reporting requirements of sections 414.400 to 414.417.

(L. 1991 H.B. 45 § 2)

Chapter 414
Fuel Regulation and Conservation
Section 414.406

Vehicle fleet plan reviewed--office of administration to purchase only vehicles conforming to plan--annual report, content.

414.406. 1. The director of the department of natural resources shall review each agency's vehicle fleet plan and the vehicular demands of the agency by vehicle class. The office of administration shall only purchase for an agency those vehicles which conform to the agency's plan as outlined in sections 414.400 and 414.403.

2. Each state agency shall annually file a report with the director of the department of natural resources on forms provided by the department showing its progress in achieving the requirements and goals of sections 414.400 to 414.417. The director of the department of natural resources shall compile such information into an annual report and submit such report to the commissioner of administration, the secretary of the senate, the clerk of the house of representatives and the chairman of each committee of jurisdiction of the general assembly.

3. The director's report shall document progress in achieving the requirements and goals of sections 414.400 to 414.417 and shall include, but not be limited to, annual fuel consumption,

number of vehicles, vehicle miles traveled, average fleet fuel economy, estimated cost savings and state use of alternative fuels.

(L. 1991 H.B. 45 § 3)

Chapter 414

Fuel Regulation and Conservation

Section 414.410

Motor vehicle alternative fuel use plan to be developed by department of natural resources--powers and duties--state agency fleets of fifteen or more vehicles, time table for using alternative fuels.

414.410. 1. The director shall develop a motor vehicle alternative fuel use plan. The director shall cooperate with state agency fleet operators, vehicle manufacturers and converters, fuel distributors and others to identify the types of vehicles which could be converted to alternative fuels. The director shall consider range, specialty uses, fuel availability, vehicle cost, vehicle manufacturing and conversion capability, safety, resale values, and other relevant factors.

2. The department shall recommend alternative fuels which state agencies and state universities may consider when purchasing vehicles. The department shall consider the content of vehicle exhaust emissions, the relative efficiency of the fuel, the relative efficiency of the processes required to produce the fuel and the characteristics of air emissions associated with the production of that fuel. It shall recommend for state use those alternative fuels which best satisfy the goals of energy conservation and emissions reduction.

3. Any state agency which operates a fleet of more than fifteen motor vehicles shall acquire vehicles capable of using alternative fuels as follows:

(1) At least ten percent of the agency's fleet vehicles acquired between July 1, 1994, and July 1, 1996;

(2) At least thirty percent of the agency's fleet vehicles acquired between July 1, 1996, and July 1, 1998; and

(3) At least fifty percent of the agency's fleet vehicles acquired between July 1, 1998, and July 1, 2000, and each biennial period thereafter.

If a state agency exceeds any such biennial acquisition goal, or has purchased vehicles capable of using alternative fuels before July 1, 1994, such purchases may be credited to any future biennial acquisition goal. If a state agency has purchased vehicles capable of using alternative fuels but not included in their vehicle fleet as defined in subsection 1 of section 414.400, such purchases may be credited toward any biennial acquisition goal. If a state agency fails to meet a biennial acquisition goal, the commissioner of administration shall not authorize for such agency the purchase of any vehicle not capable of using alternative fuels until such acquisition goal is met, unless the director has reduced or waived the acquisition goal pursuant to subsection 1 of section 414.412.

(L. 1991 H.B. 45 § 4 subsecs. 1, 2, 3, A.L. 1998 S.B. 619)

Effective 1-1-99

Chapter 414

Fuel Regulation and Conservation

Section 414.412

Alternative use of fuel, waived or percentage reduced by director of natural resources, certified evidence required--other vehicles, ethanol use required, exceptions.

414.412. 1. The director may reduce any percentage specified or waive the requirement of subsection 3 of section 414.410 for any state agency upon receipt of certification supported by evidence acceptable to the director that:

(1) The agency's vehicles will be operating primarily in an area in which neither the agency nor a supplier has or can reasonably be expected to have a central refueling station for alternative fuels; or

(2) The agency is unable to acquire or operate vehicles within the cost limitations of section 414.400 or section 414.415; or

(3) The use of alternative fuels would not meet the energy conservation and exhaust emissions reduction criteria of subsection 2 of section 414.410.

2. State agencies shall submit information describing the acquisition and use of vehicles capable of using alternative fuels to the department in a format prescribed by the department. The report shall include for each vehicle model capable of using alternative fuel:

(1) The types of alternative fuels used;

(2) The number of miles traveled using alternative fuels and the ratios to the total numbers of miles traveled;

(3) The number of vehicles owned which are capable of using alternative fuels;

(4) Maintenance costs.

3. Each state-owned vehicle equipped to operate on gasoline, other than vehicles using alternative fuel, shall use a fuel ethanol blend as defined in section 142.027, RSMo, when available at a competitive price, as its motor fuel, unless the United States Environmental Protection Agency, or the governor by executive order, promulgates rules which prohibit, limit or otherwise regulate the use of ethanol-blended fuels in ozone nonattainment areas, as defined by Section 107 of the federal Clean Air Act, as amended, or in an* area designated as a maintenance area for ozone under Section 175A of the federal Clean Air Act, as amended, state-owned vehicles shall not be required to use a fuel ethanol blend.

(L. 1991 H.B. 45 § 4 subsecs. 4, 5, 6, A.L. 1993 H.B. 611, A.L. 1998 S.B. 619)

Effective 1-1-99

Chapter 414

Fuel Regulation and Conservation

Section 414.415

Percentage requirements, how state agencies to comply.

414.415. State agencies may meet the percentage requirements of sections 414.410 to 414.415 through purchase of original equipment manufactured alternative fuel vehicles or the conversion of vehicles, in accordance with federal and state requirements and applicable safety laws. Vehicles purchased pursuant to sections 414.410 to 414.415 shall not exceed the cost of conventional fuel vehicles of the same make and model by more than ten percent, using life cycle costing methods calculated pursuant to criteria in subsection 3 of section 414.400, except that vehicles purchased pursuant to sections 414.410 to 414.415 that are based for the life of the vehicle and used primarily in maintenance and nonattainment areas defined with regard to the National Ambient Air Quality Standards of the federal Clean Air Act, as amended, 42 U.S.C. 7401 et seq., shall not exceed such cost of conventional fuel vehicles of the same make and model by more than seventeen percent. The commissioner of administration in purchasing, leasing, maintaining or converting vehicles for alternative fuels use shall comply with all applicable safety standards promulgated by the United States Department of Transportation.

(L. 1991 H.B. 45 § 4 subsec. 7, A.L. 1998 S.B. 619)

Effective 1-1-99

Chapter 414

Fuel Regulation and Conservation

Section 414.417

**Criminal law enforcement vehicles and certain other vehicles, law not applicable--
demonstration vehicles for alternative fuels authorized.**

414.417. 1. Sections 414.400 to 414.417 shall not apply to the purchase or lease of a vehicle to be used primarily for criminal law enforcement or to the purchase or lease of a motorcycle, all-terrain vehicle, ambulance, or any type of vehicle for which the Environmental Protection Agency has not published fuel economy comparisons.

2. Notwithstanding the provisions of sections 414.400 to 414.417, the department of natural resources may acquire vehicles which use alternative fuels for the purposes of assessing and demonstrating either or both alternative vehicles and alternative fuels.

(L. 1991 H.B. 45 § 5)

Appendix B

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI STATE FLEET
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	972		9,779,369	433,182		\$747,329		\$406,369
	LDTs, Vans and SUVs	1,744		15,289,442	963,724		\$1,736,856		\$877,077
	Exempt Vehicles	4,125	1,633		5,219,084		\$8,893,739		\$3,737,891
Hybrid	Cars and Station Wagons	17		197,400	5,717		\$8,668		\$14,972
	LDTs, Vans and SUVs	7		60,841	2,337		\$4,507		\$657
	Exempt Vehicles	8	4		4,815		\$8,158		\$16,050
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	24		242,447	16,781	165	\$33,667	\$292	\$18,219
	Exempt Vehicles	77	2,630		4,051,173	618,525	\$6,793,325	\$1,139,619	\$5,711,851
E85	Cars and Station Wagons	728		10,849,621	352,551	95,153	\$626,028	\$168,221	\$372,232
	LDTs, Vans and SUVs	202		2,477,643	108,651	29,599	\$201,777	\$50,642	\$84,560
	Exempt Vehicles	138	0		67,728	1,618	\$125,536	\$2,563	\$41,496
CNG	Cars and Station Wagons	7		51,284	1,468	68,194	\$2,765	\$657	\$4,197
	LDTs, Vans and SUVs	4		26,835	1,450	0	\$2,751	\$0	\$2,167
	Exempt Vehicles	9	0		669	0	\$1,127	\$0	\$0
Propane	Cars and Station Wagons	2		26,305	966	38	\$1,848	\$75	\$2,072
	LDTs, Vans and SUVs	44		473,419	27,664	6,975	\$48,627	\$8,566	\$25,493
	Exempt Vehicles	22	14		24,603	1,529	\$39,894	\$1,758	\$19,791
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**ATTORNEY GENERAL
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	28	1		23,799		\$44,725		\$19,237
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**SECRETARY OF STATE
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	3		19,654	804		\$1,510		\$2,737
	LDTs, Vans and SUVs	3		24,526	895		\$1,742		\$3,530
	Exempt Vehicles	0	1		889		\$1,767		\$1,961
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	3		38,312	948	126	\$1,788	\$232	\$2,222
	LDTs, Vans and SUVs	3		44,665	1,132	469	\$2,165	\$856	\$1,707
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**STATE AUDITOR
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	1		12,655	734		\$1,364		\$442
	LDTs, Vans and SUVs	2		15,904	1,091		\$2,040		\$1,737
	Exempt Vehicles	0	0		0		\$0		\$0
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	1		18,784	732	453	\$1,296	\$831	\$786
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**STATE TREASURER
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	1		2,186	203		\$344		\$102
	Exempt Vehicles	0	0		0		\$0		\$0
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	1		6,482	113	198	\$189	\$350	\$779
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

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Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

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SUMMARY TABLE VEHICLE OPERATIONS

DEPARTMENT OF AGRICULTURE FISCAL YEAR 2005

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	37		476,518	28,399		\$37,563		\$22,664
	LDTs, Vans and SUVs	80		1,273,833	73,423		\$134,587		\$37,572
	Exempt Vehicles	10	3		7,209		\$13,398		\$4,009
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	1		3,020	173	0	\$205	\$0	\$36
	Exempt Vehicles	0	8		18,179	0	\$33,958	\$0	\$23,005
E85	Cars and Station Wagons	79		1,494,675	54,724	4,513	\$100,772	\$8,099	\$44,331
	LDTs, Vans and SUVs	9		178,784	9,523	679	\$17,576	\$1,244	\$3,409
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	1		16,599	1,077	0	\$1,783	\$0	\$638
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

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Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF CONSERVATION
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	4		35,338	1,651		\$3,036		\$1,754
	LDTs, Vans and SUVs	41		466,914	26,539		\$47,500		\$14,940
	Exempt Vehicles	647	258		909,346		\$1,900,912		\$523,978
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	117		195,492	1,992	\$370,525	\$3,430	\$229,828
E85	Cars and Station Wagons	38		474,830	17,236	2,906	\$31,463	\$4,476	\$10,769
	LDTs, Vans and SUVs	39		470,431	22,739	826	\$41,864	\$1,296	\$9,003
	Exempt Vehicles	115	0		55,459	1,566	\$103,950	\$2,483	\$30,900
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

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Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF CORRECTIONS
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	164		789,467	31,341		\$55,126		\$25,840
	LDTs, Vans and SUVs	227		2,265,425	159,421		\$267,420		\$96,651
	Exempt Vehicles	276	172		317,360		\$539,214		\$156,070
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	1		4,462	461	0	\$743	\$0	\$747
	Exempt Vehicles	0	93		206,325	24,831	\$358,092	\$44,230	\$208,676
E85	Cars and Station Wagons	33		534,365	21,481	2,206	\$39,082	\$3,981	\$14,428
	LDTs, Vans and SUVs	12		230,568	10,742	504	\$19,733	\$915	\$2,407
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	1		16,499	601	0	\$1,145	\$0	\$1,875
	LDTs, Vans and SUVs	27		367,795	21,649	6,076	\$38,160	\$7,308	\$18,706
	Exempt Vehicles	0	12		3,786	814	\$6,311	\$843	\$6,306
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF ECONOMIC DEVELOPMENT
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	52		749,723	33,746		\$55,223		\$26,684
	LDTs, Vans and SUVs	17		185,459	10,107		\$18,776		\$9,527
	Exempt Vehicles	2	1		3,983		\$7,694		\$4,324
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	45		620,388	21,266	4,953	\$39,490	\$9,036	\$28,882
	LDTs, Vans and SUVs	4		61,075	2,625	281	\$5,082	\$525	\$1,763
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	26		325,278	12,135		\$22,843		\$13,892
	LDTs, Vans and SUVs	24		230,139	11,802		\$21,966		\$8,453
	Exempt Vehicles	2	18		13,208		\$25,084		\$13,597
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	64		59,931	0	\$117,984	\$0	\$90,022
E85	Cars and Station Wagons	19		296,527	10,198	1,027	\$19,150	\$1,975	\$12,719
	LDTs, Vans and SUVs	1		8,108	407	0	\$796	\$0	\$49
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF HEALTH AND SENIOR SERVICES
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	47		795,161	27,279		\$50,695		\$34,684
	LDTs, Vans and SUVs	29		344,685	18,045		\$31,217		\$19,559
	Exempt Vehicles	2	2		3,549		\$6,669		\$2,329
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	20		333,289	11,846	167	\$21,861	\$297	\$18,446
	LDTs, Vans and SUVs	2		31,486	1,321	14	\$2,573	\$21	\$1,009
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF HIGHER EDUCATION
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	3		25,961	1,094		\$2,101		\$993
	LDTs, Vans and SUVs	1		10,152	454		\$855		\$2,480
	Exempt Vehicles	0	0		0		\$0		\$0
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	8		132,096	4,714	933	\$8,763	\$1,680	\$6,904
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF INSURANCE
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	1		6,599	214		\$438		\$3,045
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	3		24,851	532	576	\$1,026	\$1,052	\$715
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	10		157,141	6,527		\$12,254		\$5,590
	LDTs, Vans and SUVs	11		171,078	8,951		\$16,968		\$10,504
	Exempt Vehicles	0	1		478		\$902		\$0
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	1		1,292	0	\$2,609	\$0	\$743
E85	Cars and Station Wagons	4		76,227	2,037	1,058	\$3,847	\$1,872	\$3,748
	LDTs, Vans and SUVs	3		61,361	1,505	1,754	\$2,825	\$3,113	\$1,315
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

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Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF MENTAL HEALTH
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	220		2,472,499	99,828		\$182,309		\$103,067
	LDTs, Vans and SUVs	234		1,623,928	103,061		\$179,155		\$98,848
	Exempt Vehicles	29	114		51,497		\$89,494		\$56,377
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	11		4,403	0	\$6,174	\$0	\$3,072
E85	Cars and Station Wagons	96		1,327,377	49,351	3,141	\$88,317	\$5,568	\$53,135
	LDTs, Vans and SUVs	22		271,803	14,526	0	\$25,659	\$0	\$14,541
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF NATURAL RESOURCES
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	31		316,559	11,358		\$20,926		\$16,915
	LDTs, Vans and SUVs	162		1,877,536	104,905		\$190,022		\$82,875
	Exempt Vehicles	177	126		222,286		\$373,251		\$154,839
Hybrid	Cars and Station Wagons	8		85,109	2,435		\$3,250		\$5,576
	LDTs, Vans and SUVs	7		60,841	2,337		\$4,507		\$657
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	67		54,324	2,047	\$98,153	\$3,861	\$51,614
E85	Cars and Station Wagons	109		1,617,225	51,911	13,614	\$95,385	\$24,605	\$59,634
	LDTs, Vans and SUVs	34		396,482	18,775	2,322	\$33,034	\$4,122	\$12,809
	Exempt Vehicles	8	0		8,171	0	\$13,893	\$0	\$5,112
CNG	Cars and Station Wagons	7		51,284	1,468	68,194	\$2,765	\$657	\$4,197
	LDTs, Vans and SUVs	2		13,807	727	0	\$1,313	\$0	\$1,832
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	1		9,806	365	38	\$703	\$75	\$197
	LDTs, Vans and SUVs	11		69,366	4,308	147	\$7,479	\$116	\$4,787
	Exempt Vehicles	20	2		14,591	715	\$23,505	\$915	\$12,822
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF PUBLIC SAFETY
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	50		782,515	54,522		\$68,641		\$31,024
	LDTs, Vans and SUVs	44		479,603	26,069		\$48,294		\$23,260
	Exempt Vehicles	1,253	100		1,709,946		\$2,561,994		\$621,569
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	9	23		9,551	0	\$18,753	\$0	\$14,508
E85	Cars and Station Wagons	26		371,987	28,230	992	\$33,273	\$1,808	\$15,959
	LDTs, Vans and SUVs	7		95,320	4,287	28	\$8,028	\$55	\$1,836
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	1		4,859	631	0	\$1,204	\$0	\$831
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF REVENUE
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	13		296,557	12,773		\$21,246		\$6,595
	Exempt Vehicles	19	2		14,983		\$27,761		\$9,381
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	36		447,217	16,914	791	\$28,094	\$1,429	\$16,960
	LDTs, Vans and SUVs	1		18,316	795	0	\$1,375	\$0	\$189
	Exempt Vehicles	6	0		2,947	0	\$5,427	\$0	\$3,040
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF SOCIAL SERVICES
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	43		570,956	21,498		\$40,462		\$29,310
	LDTs, Vans and SUVs	46		432,866	22,503		\$41,340		\$22,097
	Exempt Vehicles	119	124		155,511		\$288,163		\$139,353
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	49		651,005	24,106	679	\$45,030	\$1,225	\$32,926
	LDTs, Vans and SUVs	3		57,750	2,286	330	\$4,324	\$532	\$1,389
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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**SUMMARY TABLE
VEHICLE OPERATIONS**

**DEPARTMENT OF TRANSPORTATION
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	20		277,408	9,712		\$16,435		\$5,385
	LDTs, Vans and SUVs	26		411,444	25,073		\$41,669		\$11,494
	Exempt Vehicles	874	484		1,434,315		\$2,367,794		\$1,454,344
Hybrid	Cars and Station Wagons	9		112,291	3,282		\$5,418		\$9,396
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	8	4		4,815		\$8,158		\$16,050
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	2,173		3,355,926	585,250	\$5,514,475	\$1,078,905	\$4,904,009
E85	Cars and Station Wagons	76		1,425,958	2,918	52,266	\$4,862	\$91,540	\$12,094
	LDTs, Vans and SUVs	20		255,556	0	21,512	\$0	\$36,385	\$7,395
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	9	0		669	0	\$1,127	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	2	0		6,226	0	\$10,078	\$0	\$664
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**OFFICE OF ADMINISTRATION
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	7		48,089	2,731		\$5,199		\$2,524
	LDTs, Vans and SUVs	39		210,225	16,014		\$30,220		\$22,414
	Exempt Vehicles	0	16		7,769		\$14,732		\$13,782
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	3		18,446	333	\$35,327	\$642	\$2,777
E85	Cars and Station Wagons	30		436,090	13,504	4,432	\$25,269	\$8,012	\$19,633
	LDTs, Vans and SUVs	3		64,709	2,869	169	\$5,413	\$304	\$1,419
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**CENTRAL MISSOURI STATE UNIVERSITY
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	8		24,027	1,339		\$2,673		\$535
	LDTs, Vans and SUVs	7		33,663	2,244		\$4,488		\$2,988
	Exempt Vehicles	108	0		18,724		\$37,449		\$8,100
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	2		25,659	2,565	0	\$5,002	\$0	\$625
	Exempt Vehicles	3	3		1,236	0	\$2,410	\$0	\$1,200
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	4		14,800	0	752	\$0	\$1,143	\$532
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

SUMMARY TABLE VEHICLE OPERATIONS

HARRIS-STOWE STATE COLLEGE FISCAL YEAR 2005

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	1		12,000	480		\$1,200		\$500
	LDTs, Vans and SUVs	10		75,000	4,800		\$12,000		\$1,750
	Exempt Vehicles	1	0		480		\$1,200		\$300
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**LINCOLN UNIVERSITY
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	7		36,309	1,194		\$2,094		\$652
	LDTs, Vans and SUVs	4		62,084	3,370		\$6,026		\$1,554
	Exempt Vehicles	54	6		18,169		\$32,795		\$4,599
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	1		671	0	\$1,382	\$0	\$2,805
E85	Cars and Station Wagons	7		58,189	2,247	0	\$4,079	\$0	\$1,439
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI SOUTHERN STATE COLLEGE
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	6		111,057	4,372		\$7,258		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	20	10		8,316		\$13,805		\$0
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	1		494	0	\$874	\$0	\$0
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI STATE UNIVERSITY
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	3		31,914	1,885		\$3,739		\$2,438
	LDTs, Vans and SUVs	35		243,324	13,567		\$25,404		\$20,284
	Exempt Vehicles	88	0		24,248		\$44,256		\$44,615
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	9		119,652	6,927	0	\$13,072	\$0	\$7,964
	Exempt Vehicles	2	0		79	0	\$139	\$0	\$440
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	2		13,028	724	0	\$1,437	\$0	\$335
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**MISSOURI WESTERN STATE COLLEGE
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	22	0		11,200		\$20,720		\$7,650
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	5		3,175	0	\$5,874	\$0	\$4,775
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**NORTHWEST MISSOURI STATE UNIVERSITY
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	15		165,505	5,510		\$9,544		\$1,906
	LDTs, Vans and SUVs	11		134,773	9,829		\$16,943		\$1,353
	Exempt Vehicles	48	26		26,970		\$42,526		\$30,629
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	10		31,884	4,072	\$59,304	\$8,550	\$28,511
E85	Cars and Station Wagons	15		225,542	7,335	417	\$12,618	\$708	\$1,818
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	1	0		0	52	\$0	\$80	\$22
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**SOUTHEAST MISSOURI STATE UNIVERSITY
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	47		309,282	19,543		\$40,034		\$15,182
	LDTs, Vans and SUVs	109		410,637	34,482		\$64,015		\$86,421
	Exempt Vehicles	26	7		22,965		\$42,529		\$48,971
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	9	1		9,993	0	\$18,652	\$0	\$41,130
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**TRUMAN STATE UNIVERSITY
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	4		72,401	2,432		\$4,625		\$690
	LDTs, Vans and SUVs	17		227,427	12,975		\$24,592		\$6,014
	Exempt Vehicles	20	2		7,837		\$14,783		\$11,471
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	1	2		5,670	0	\$10,751	\$0	\$5,486
E85	Cars and Station Wagons	4		95,867	3,624	0	\$6,784	\$0	\$2,676
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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Exempt vehicles are those vehicles that for reasons given in RSMo 414.400 - 414.417 are exempt from vehicle fuel efficiency and alternative fuel requirements. Eligible vehicles include only those vehicles that are eligible to meet vehicle fuel efficiency and alternative fuel requirements specified in RSMo 414.400-414.417.

At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**UNIVERSITY OF MISSOURI
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	161		1,153,237	52,763		\$99,878		\$57,899
	LDTs, Vans and SUVs	550		3,776,025	260,846		\$487,484		\$283,081
	Exempt Vehicles	268	157		184,831		\$343,836		\$394,167
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	11		89,654	6,655	165	\$14,645	\$292	\$8,847
	Exempt Vehicles	53	47		74,102	0	\$137,889	\$0	\$99,250
E85	Cars and Station Wagons	27		161,122	7,315	159	\$14,885	\$274	\$12,016
	LDTs, Vans and SUVs	38		212,445	14,386	258	\$30,035	\$443	\$23,534
	Exempt Vehicles	8	0		1,152	0	\$2,266	\$0	\$2,421
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

Many management functions of the Missouri State Fleet are decentralized. Day-to-day decisions and record keeping tasks are performed by each agency. Therefore, the operations data used to generate this table were provided by the Missouri State Agencies that use on-road and off-road vehicles to accomplish their official duties.

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

State organizations included under the category of other state organizations are the State Offices of the Governor, Lieutenant Governor, Legislature and Judiciary.

Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

**SUMMARY TABLE
VEHICLE OPERATIONS**

**OTHER STATE ORGANIZATIONS
FISCAL YEAR 2005**

Vehicle Type	Description	Number of Vehicles		Miles Traveled	Fuel Consumption (at-the-pump units)		Cost		
		<= 8500 lbs	> 8500 lbs		Gas or Diesel	Alternative Fuel	Gas or Diesel	Alternative Fuel	Main-tenance
Gasoline	Cars and Station Wagons	1		2,116	92		\$159		\$18
	LDTs, Vans and SUVs	1		4,049	283		\$542		\$997
	Exempt Vehicles	32	2		19,216		\$36,285		\$12,239
Hybrid	Cars and Station Wagons	0		0	0		\$0		\$0
	LDTs, Vans and SUVs	0		0	0		\$0		\$0
	Exempt Vehicles	0	0		0		\$0		\$0
Diesel	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
E85	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
CNG	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Propane	Cars and Station Wagons	0		0	0	0	\$0	\$0	\$0
	LDTs, Vans and SUVs	0		0	0	0	\$0	\$0	\$0
	Exempt Vehicles	0	0		0	0	\$0	\$0	\$0
Electric	LDTs, Vans and SUVs	0		0		0		\$0	\$0

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At-the-pump units are cubic feet for CNG; kwh for electric; and gallons for gasoline, diesel, E85 and propane. Biodiesel (B100) consumption figures are shown on the summary table under the diesel vehicle categories as the alternative fuels.

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Estimated values are shown on two summary tables - the Missouri Department of Public Safety table and the overall Missouri State Fleet table. Using the information provided by the Department of Public Safety, estimated values were calculated to provide fuel consumption figures for the exempt gasoline vehicles.

Data processing problems were experienced by the Department of Transportation and the Department of Conservation during the 2004 fiscal year. However, the data processing problems were corrected by both agencies before processing the operations data for the 2005 fiscal year.

Appendix C

When identified throughout the report, gasoline gallon equivalence (gge) is used as a unit of measure for alternative fuels. As a unit of measure, gasoline gallon equivalence is based on the fuel's energy content rather than the at-the-pump unit of measure normally shown in unit volume. An example of this is the comparison of a gallon of 85 percent ethanol (E-85) to a gallon of gasoline. Since the energy content of E-85 is less than that of gasoline, one gallon of E-85 is equivalent to 0.7130 gallon of gasoline.

**Unit Consumption Conversion Table of Vehicle Motor Fuels,
At-the-Pump Units to Gasoline Gallon Equivalence (GGE)**

Fuel Type	At-the-Pump Units	BTU/Unit	GGE/Unit
Gasoline	Gallon	115,000	1.0000
E-85	Gallon	82,000	0.7130
Propane	Gallon	89,000	0.7739
CNG	Cubic Feet	1,000	0.0087
Diesel	Gallon	130,000	1.1304
Biodiesel (20)	Gallon	128,800	1.1200
Biodiesel (100)	Gallon	124,200	1.0800
Electric	Kilowatt hour	3,413	0.0297

Appendix D

- **Average Fleet Fuel Economy of New Acquisition Passenger Cars**
- **Average Fleet Fuel Economy of New Acquisition Light-Duty Trucks**
- **Percent Alternative Fuel Vehicles of all New Vehicle Acquisitions**
- **Percent Alternative Fuel Usage in Alternative Fuel Vehicles - B20 and Exempt Usage Not Included**

**AVERAGE FLEET FUEL ECONOMY
NEW ACQUISITION PASSENGER CARS**

**MISSOURI STATE FLEET
FISCAL YEAR 2005**

Shown in RSMo 414.400 - 414.417, " the overall vehicle fuel efficiency for each agency to meet or exceed the fuel efficiency that would be achieved if each vehicle in the agency's fleet met the CAFE standard." The CAFE standard for newly built passenger cars is 27.5 MPG. Throughout the following table, the average vehicle fuel efficiency of all new acquisition passenger cars is shown for each agency. Passenger cars include both cars and station wagons that are eligible to meet vehicle fuel efficiency standards. If an agency is not shown, the agency did not report acquiring any new passenger cars that were eligible to meet state vehicle fuel efficiency requirements throughout the fiscal year.

DEPARTMENT OF AGRICULTURE	31.7
DEPARTMENT OF CORRECTIONS	36.2
DEPARTMENT OF ECONOMIC DEVELOPMENT	36.2
DEPARTMENT OF NATURAL RESOURCES	34.3
DEPARTMENT OF PUBLIC SAFETY	34.4
DEPARTMENT OF SOCIAL SERVICES	32.7
DEPARTMENT OF TRANSPORTATION	32.7
NORTHWEST MISSOURI STATE UNIVERSITY	30.0
UNIVERSITY OF MISSOURI	28.3
MISSOURI STATE FLEET	32.0

**AVERAGE FLEET FUEL ECONOMY
NEW ACQUISITION LIGHT DUTY TRUCKS**

**MISSOURI STATE FLEET
FISCAL YEAR 2005**

Shown in RSMo 414.400 - 414.417, " the overall vehicle fuel efficiency for each agency to meet or exceed the fuel efficiency that would be achieved if each vehicle in the agency's fleet met the CAFE standard." The CAFE standard for newly built light duty trucks is 20.7 MPG. Throughout the following table, the average vehicle fuel efficiency of all new acquisition light duty trucks is shown for each agency. Light duty trucks include trucks, vans and SUVs that are eligible to meet vehicle fuel efficiency standards. If an agency is not shown, the agency did not report acquiring any new light duty trucks that were eligible to meet state vehicle fuel efficiency requirements throughout the fiscal year.

DEPARTMENT OF AGRICULTURE	20.3
DEPARTMENT OF CONSERVATION	25.6
DEPARTMENT OF CORRECTIONS	33.4
DEPARTMENT OF MENTAL HEALTH	25.6
DEPARTMENT OF NATURAL RESOURCES	32.6
DEPARTMENT OF PUBLIC SAFETY	25.2
DEPARTMENT OF REVENUE	25.5
DEPARTMENT OF TRANSPORTATION	27.3
OFFICE OF ADMINISTRATION	33.4
MISSOURI STATE UNIVERSITY	25.4
NORTHWEST MISSOURI STATE UNIVERSITY	27.2
SOUTHEAST MISSOURI STATE UNIVERSITY	23.1
TRUMAN STATE UNIVERSITY	25.6
UNIVERSITY OF MISSOURI	22.7
MISSOURI STATE FLEET	26.6

PERCENT ALTERNATIVE FUEL VEHICLES OF ALL NEW VEHICLE ACQUISITIONS

MISSOURI STATE FLEET STATUTORY PERIOD 2005 - 2006

Since agencies that operate less than 16 eligible vehicles are not subject to program acquisition requirements described in RSMo 414.400 - 414.417, only agencies that operate greater than 15 eligible vehicles are shown in the following table. Shown in RSMo 414.410, at least 50 percent of an agency's fleet vehicle acquisitions over a two year statutory period shall be vehicles capable of using alternative fuels.

DEPARTMENT OF AGRICULTURE	40%
DEPARTMENT OF CONSERVATION	86%
DEPARTMENT OF CORRECTIONS	100%
DEPARTMENT OF ECONOMIC DEVELOPMENT	100%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	No Purchases
DEPARTMENT OF HEALTH AND SENIOR SERVICES	No Purchases
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS	No Purchases
DEPARTMENT OF MENTAL HEALTH	100%
DEPARTMENT OF NATURAL RESOURCES	62%
DEPARTMENT OF PUBLIC SAFETY	100%
DEPARTMENT OF REVENUE	0%
DEPARTMENT OF SOCIAL SERVICES	100%
DEPARTMENT OF TRANSPORTATION	99%
OFFICE OF ADMINISTRATION	100%
CENTRAL MISSOURI STATE UNIVERSITY	No Purchases
LINCOLN UNIVERSITY	No Purchases
MISSOURI STATE UNIVERSITY	0%
NORTHWEST MISSOURI STATE UNIVERSITY	20%
SOUTHEAST MISSOURI STATE UNIVERSITY	0%
TRUMAN STATE UNIVERSITY	0%
UNIVERSITY OF MISSOURI	19%

System Query Date: Friday, May 12, 2006

**PERCENT ALTERNATIVE FUEL USAGE
IN ALTERNATIVE FUEL VEHICLES - B20 AND
EXEMPT USAGE NOT INCLUDED**

**MISSOURI STATE FLEET
FISCAL YEAR 2005**

Since agencies that operate less than 16 eligible vehicles are not subject to the 30 percent alternative fuel usage requirement described in RSMo 414.400 - 414.417, only agencies that operate greater than 15 eligible vehicles are shown in the following table. Alternative fuel usage in exempt vehicles and biodiesel usage are not included in the following percentages.

DEPARTMENT OF AGRICULTURE	5%
DEPARTMENT OF CONSERVATION	6%
DEPARTMENT OF CORRECTIONS	11%
DEPARTMENT OF ECONOMIC DEVELOPMENT	14%
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	6%
DEPARTMENT OF HEALTH AND SENIOR SERVICES	1%
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS	36%
DEPARTMENT OF MENTAL HEALTH	3%
DEPARTMENT OF NATURAL RESOURCES	13%
DEPARTMENT OF PUBLIC SAFETY	2%
DEPARTMENT OF REVENUE	3%
DEPARTMENT OF SOCIAL SERVICES	3%
DEPARTMENT OF TRANSPORTATION	95%
OFFICE OF ADMINISTRATION	17%
CENTRAL MISSOURI STATE UNIVERSITY	100%
LINCOLN UNIVERSITY	0%
MISSOURI STATE UNIVERSITY	0%
NORTHWEST MISSOURI STATE UNIVERSITY	4%
SOUTHEAST MISSOURI STATE UNIVERSITY	0%
TRUMAN STATE UNIVERSITY	0%
UNIVERSITY OF MISSOURI	1%

System Query Date: Thursday, March 30, 2006